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NOTICE OF ALLOWANCE AND FEE(S) DUE

166

7590

12/28/2009

YOUNG & THOMPSON 209 Madison Street Suite 500 Alexandria, VA 22314

| EXAMINER | | | | |
|-------------|--------------|--|--|--|
| ZEE, EDWARD | | | | |
| ART UNIT | PAPER NUMBER | | | |

2435 DATE MAILED: 12/28/2009

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/713.455 | 11/17/2003 | Kazuva Suzuki | 8022-1063 | 2290 |

TITLE OF INVENTION: KEY MANGEMENT SYSTEM AND MULTICAST DELIVERY SYSTEM USING THE SAME

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 03/29/2010 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

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| YOUNG & TH 209 Madison Str Suite 500 | reet | /2009 | | | Cert | tificate | of Mailing or Transr | nission deposited with the United t class mail in an envelope above, or being facsimile tte indicated below. |
| Alexandria, VA | 22314 | | | | | | | (Depositor's name) |
| | | | | | | | | (Signature) |
| | | | | L_ | | | | (Date) |
| APPLICATION NO. | FILING DATE | | FIRST NAMED INVEN | TOR | | ATTO: | RNEY DOCKET NO. | CONFIRMATION NO. |
| 10/713,455 | 11/17/2003 | ENGTERA AND MILL TIC | Kazuya Suzuki | orra | A LICINIC TUDE CA | ME | 8022-1063 | 2290 |
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| nonprovisional | NO | \$1510 | \$300 | | \$0 | | \$1810 | 03/29/2010 |
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| ZEE, ED | | 2435 | 713-163000 | | | | | |
| Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. | | | 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. | | | | | |
| PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG | less an assignee is ident h in 37 CFR 3.11. Comp GNEE | | data will appear on t T a substitute for filing (B) RESIDENCE: (C | he pa g an a CITY | tent. If an assignous ssignment. and STATE OR C | OUNT | TRY) | ocument has been filed for |
| lease check the appropr | nate assignee category or | | • | | | | | up entity Government |
| a. The following fee(s): Issue Fee Publication Fee (N Advance Order - 4 | are submitted: No small entity discount p | permitted) | A check is enclos Payment by credi The Director is he | ed. t card ereby | i. Form PTO-2038 | is atta | required fee(s), any def | |
| a. Applicant claim | tus (from status indicated is SMALL ENTITY statu | ıs. See 37 CFR 1.27. | | | | | ΓΙΤΥ status. See 37 CF | |
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| n application. Confiden ubmitting the completed his form and/or suggesti | tiality is governed by 35 dapplication form to the ions for reducing this but irginia 22313-1450. DC | U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the | 1.14. This collection in depending upon the interest of the Chief Information O | s esti indivi Iffice: | mated to take 12 r idual case. Any co r. U.S. Patent and | ninutes mment Traden | to complete, including s on the amount of tin park Office, U.S. Depa | by the USPTO to process) g gathering, preparing, and he you require to complete rtment of Commerce, P.O. for Patents, P.O. Box 1450, |

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| YOUNG & THO | OMPSON | 1 | ZEE, EI | OWARD | |
| 209 Madison Stre | et | | | ART UNIT | PAPER NUMBER |
| Suite 500 Alexandria, VA 2 | 2314 | | | 2435 DATE MAILED: 12/28/200 | 9 |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 827 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 827 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

| | Application No. | Applicant(s) | |
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| Notice of Allowability | 10/713,455 Examiner | SUZUKI ET AL. Art Unit | |
| , to not of , monutaring | Examine | Art ome | |
| | EDWARD ZEE | 2435 | |
| The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313 | (OR REMAINS) CLOSED or other appropriate comm GHTS . This application is | n this application. If not included unication will be mailed in due course | . THIS e initiative |
| 1. 🔀 This communication is responsive to the amendments filed | on 09/09/09 and the inten | riew conducted on 12/11/09. | |
| 2. ☑ The allowed claim(s) is/are <u>1-19</u> . | | | |
| 3. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have | been received. | | |
| 2. Certified copies of the priority documents have | • • • | | |
| 3. Copies of the certified copies of the priority do | cuments have been receive | ed in this national stage application fro | m the |
| International Bureau (PCT Rule 17.2(a)). | | | |
| * Certified copies not received: | | | |
| Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. | IENT of this application. | | |
| A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give | | | OF |
| 5. \square CORRECTED DRAWINGS (as "replacement sheets") must | et be submitted. | | |
| (a) \square including changes required by the Notice of Draftspers | on's Patent Drawing Revie | w (PTO-948) attached | |
| 1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date | • | | |
| (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date | s Amendment / Comment o | r in the Office action of | |
| Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t | | | of |
| 6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT | | | е |
| | | | |
| Attachment(s) | E Notice of | oformal Datant Application | |
| Notice of References Cited (PTO-892) Dotice of Draftperson's Patent Drawing Review (PTO-948) | | nformal Patent Application Summary (PTO-413), | |
| Information Disclosure Statements (PTO/SB/08), | Paper No | /Mail Date s Amendment/Comment | |
| Paper No./Mail Date4. Examiner's Comment Regarding Requirement for Deposit | | Statement of Reasons for Allowance | |
| of Biological Material | 9. 🔲 Other | _· | |
| | | | |

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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR
 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. As per MPEP 713.04, a separate interview summary form is not provided as the substance of the interview has been summarized herein.

Authorization for this examiner's amendment was given in a telephone interview with James J. Livingston, Jr. (No. 55,394) on 12/11/09.

The application has been amended as follows:

- Please amend Claim 1 as follows.
- 1. A multicast delivery system comprising:

a delivery server which enciphers delivery data by using a current use cipher key to generate enciphered data and transmits a multicast packet containing said enciphered data and a current use key identifier, said current use key identifier identifies a pair of said current use cipher key and a current use decipher key as current use keys, said current use cipher key being separate from said current use decipher key;

a key management server which is connected with said delivery server through a network, holds as a current use key data, a set of said current use decipher key and said current use key identifier, and transmits a set of said current use decipher key and said current use key

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identifier as a current use decipherment key data in response to a current use key data request; and

a client terminal which is connected with said delivery server and said key management server through said network, receives said multicast packet from said delivery server, issues said current use key data request to said key management server to receive said current use decipherment key data from said key management server, holds [[said]]a set of said current use decipher key and said current use key identifier, and deciphers said enciphered data contained in said multicast packet by using said current use decipher key when said current use key identifier contained in said multicast packet is coincident with said current use key identifier held in said client terminal.

3. The following is an examiner's statement of reasons for allowance: the arguments filed by the Applicant have been considered and are persuasive, in particular those found on pages 17-18 of the remarks filed on 09/09/09. Therefore, Claims 1-19 are deemed allowable over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to EDWARD ZEE whose telephone number is (571)270-1686. The examiner can normally be reached on Monday through Thursday 9:00AM-5:00PM EST.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Y. Vu can be reached on (571) 272-3859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

EZ
December 12, 2009
/Kimyen Vu/
Supervisory Patent Examiner, Art Unit 2435